4th International Conference on BIOMASS FOR ENERGY

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Presentation of the EC FP7 Project "Biomass Energy Europe"

T. Zhelyezna, V. Leznova

Institute of Engineering Thermophysics,
National Academy of Sciences of Ukraine
(IET NASU)

Scientific Engineering Centre
"Biomass" (SEC Biomass)

Biomass Energy Europe (BEE) – general information

http://www.eu-bee.com

Beginning: 1 March 2008

Duration: 33 months (end on 30 November 2010)

Coordinator: Albert-Ludwig University (Freiburg, Germany)

Consortium: 16 European organizations (BTG, UU, VTT, EC BREC, IIASA, …)

Participants from Ukraine: SEC Biomass (Kiev), National Agricultural University of Ukraine

Objective and challenges of the project

The overall objective of the project "Biomass Energy Europe" is to improve the accuracy and comparability of future biomass resource assessments for energy by reducing heterogeneity, increasing harmonization and exchanging knowledge.

"Twin project": CEUBIOM http://ceubiom.org

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BEE: Consortium members

1	Coordinator: **ALBERT-LUDWIGS-UNIVERSITAET FREIBURG** Partners:	Germany
2	UNIVERSITEIT UTRECHT (UU)	the Netherlands
3	EUROPEAN FOREST INSTITUTE (EFI)	Finland
4	INTERNATIONALES INSTITUT FUER ANGEWANDTE SYSTEMANALYSE (IIASA)	Austria
5	VALTION TEKNILLINEN TUTKIMUSKESKUS (VTT)	Finland
6	CHALMERS TEKNISKA HOEGSKOLA AB (Chalmers)	Sweden
7	B.T.G. BIOMASS TECHNOLOGY GROUP BV (BTG)	the Netherlands
8	INSTITUT FUER ENERGIE UND UMWELTFORSCHUNG HEIDELBERG (IFEU)	Germany
9	SCIENTIFIC ENGINEERING CENTRE BIOMASS (SEC Biomass)	Ukraine
10	MACEDONIAN GEOTHERMAL ASSOCIATION (MAGA)	Macedonia
11	INSTITUTE FOR FUELS AND RENEWABLE ENERGY (EC BREC)	Poland
12	NATIONAL AGRICULTURAL UNIVERSITY OF UKRAINE (NAUU)	Ukraine
13	FACULTY OF FORESTRY, UNIVERSITY OF ZAGREB (FFZG)	Croatia
14	UNIVERSITAET HAMBURG (UniHH)	Germany
15	CENTRE FOR RENEWABLE ENERGY SOURCES (CRES)	Greece
16	METSANTUTKIMUSLAITOS (METLA)	Finland

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BEE: Work Packages

WP1 – Management

WP2 – Dissemination and networking

WP3 – Status of biomass resource assessments: (i) a comparative analysis of existing resource assessments at the global, European, regional, and national scale; (ii) the assessment and analysis of the policy background

WP4 – Analysis of biomass resource assessments: identification of common approaches as well as important differences

WP5 – Harmonization of biomass resource assessments

WP6 – Illustration cases: Pan-European, Ukraine, Croatia, Finland

WP7 – Integration, evaluation and recommendation

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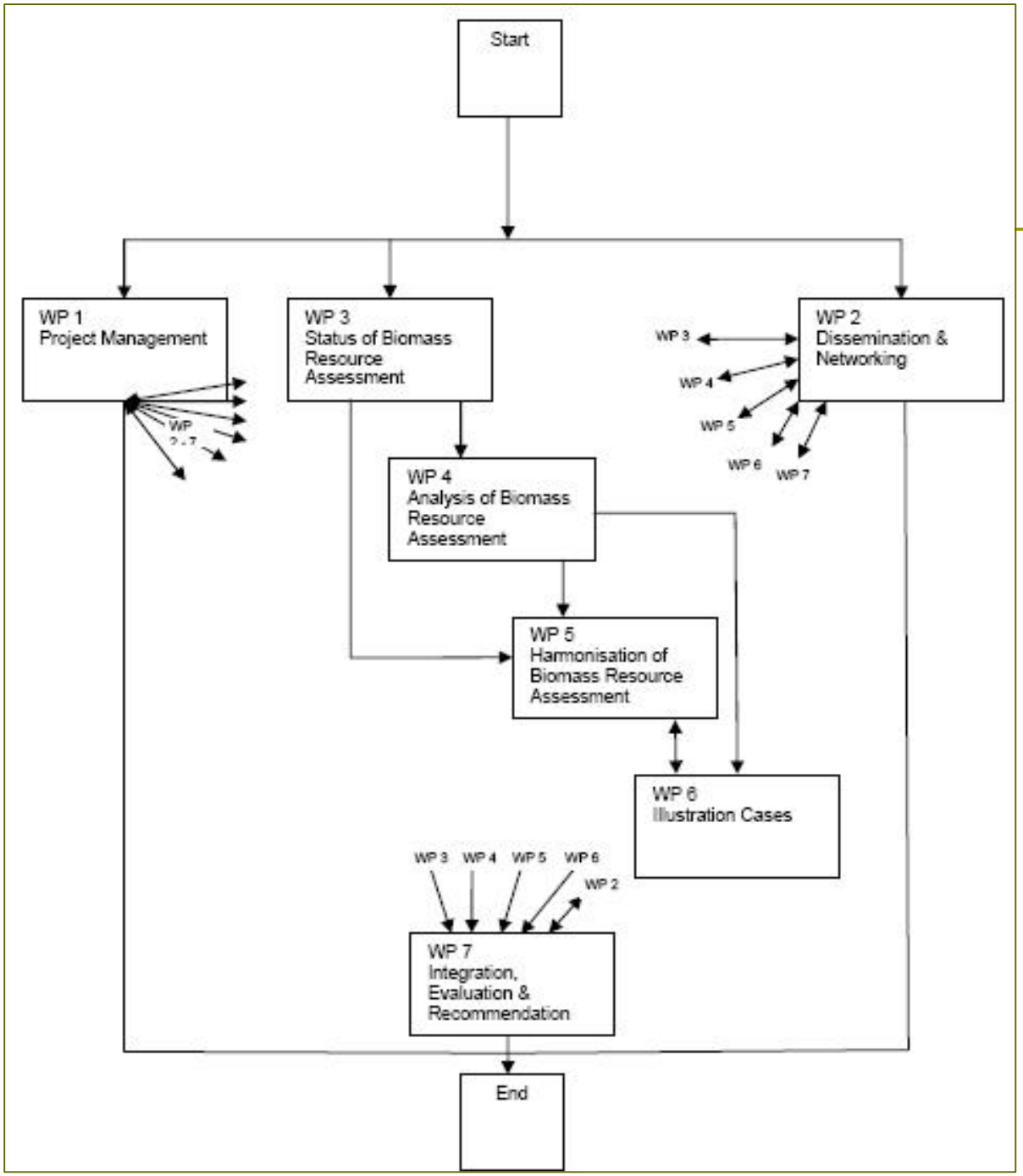
WPs



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WP2: Dissemination and networking

Task 2.1 – Basic dissemination activities and planning

Task 2.2 – Regional dissemination: Eastern Europe and Central Asia (Ukraine, Russia, Belarus, Moldova, Kazakhstan, Azerbaijan, Armenia, Georgia)

Task management: SEC Biomass

Task participants: NAUU, IIASA, VTT

Website in Russian http://www.biomass.kiev.ua (section “Projects”)

Task 2.3 – Regional dissemination: Western Balkan region

Task 2.4 – Coordination of R&D

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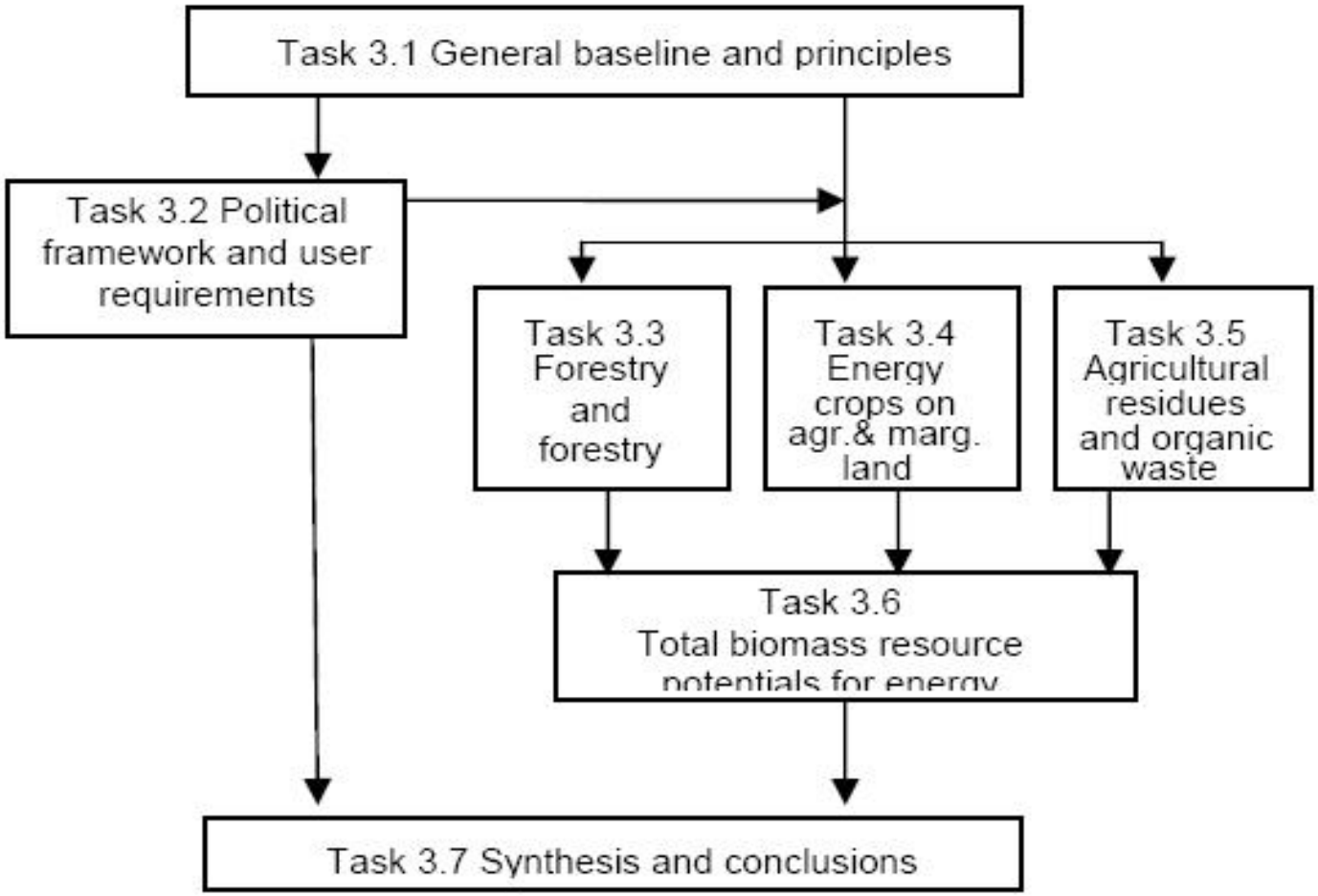
WP3: Status of biomass resource assessments



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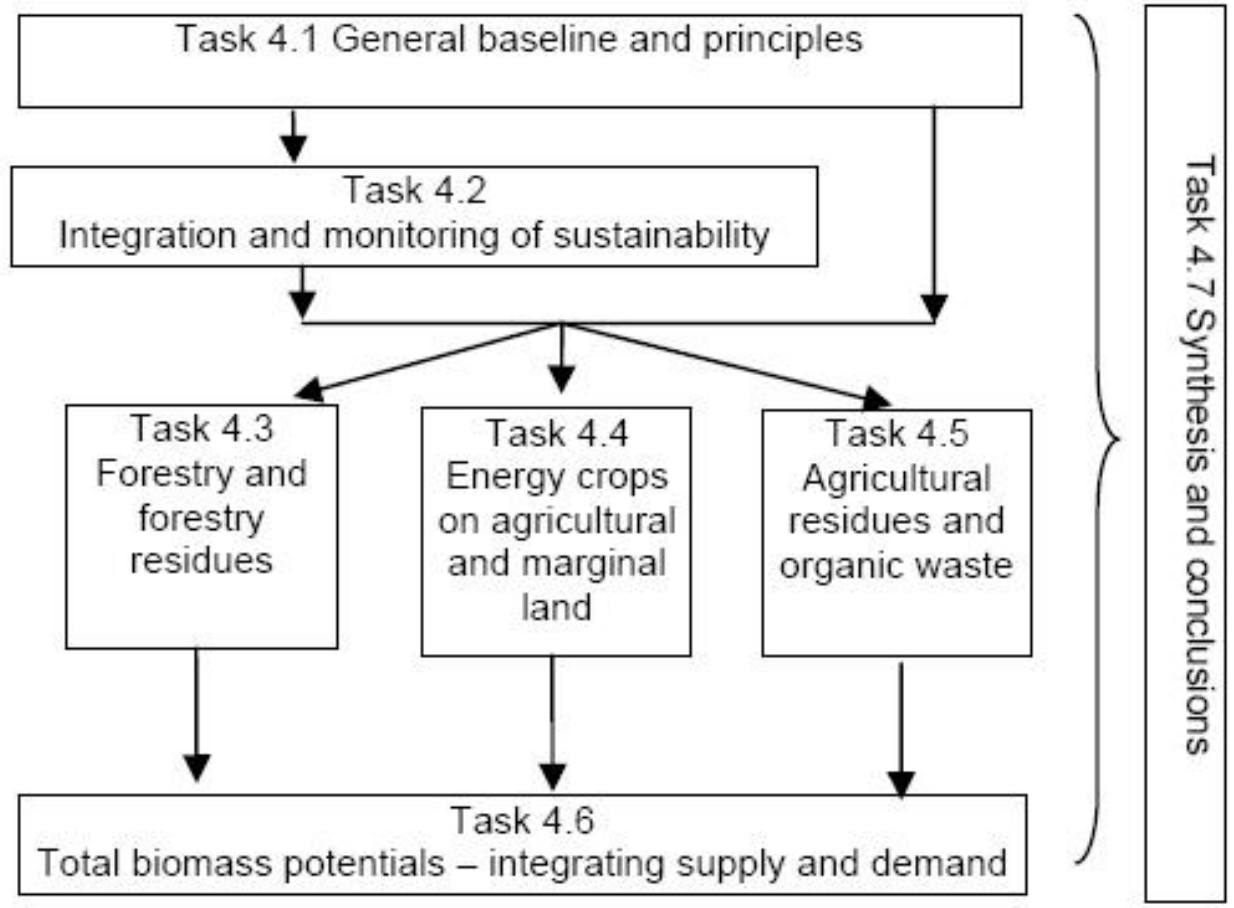
WP4: Analysis of existing BM resource assessments



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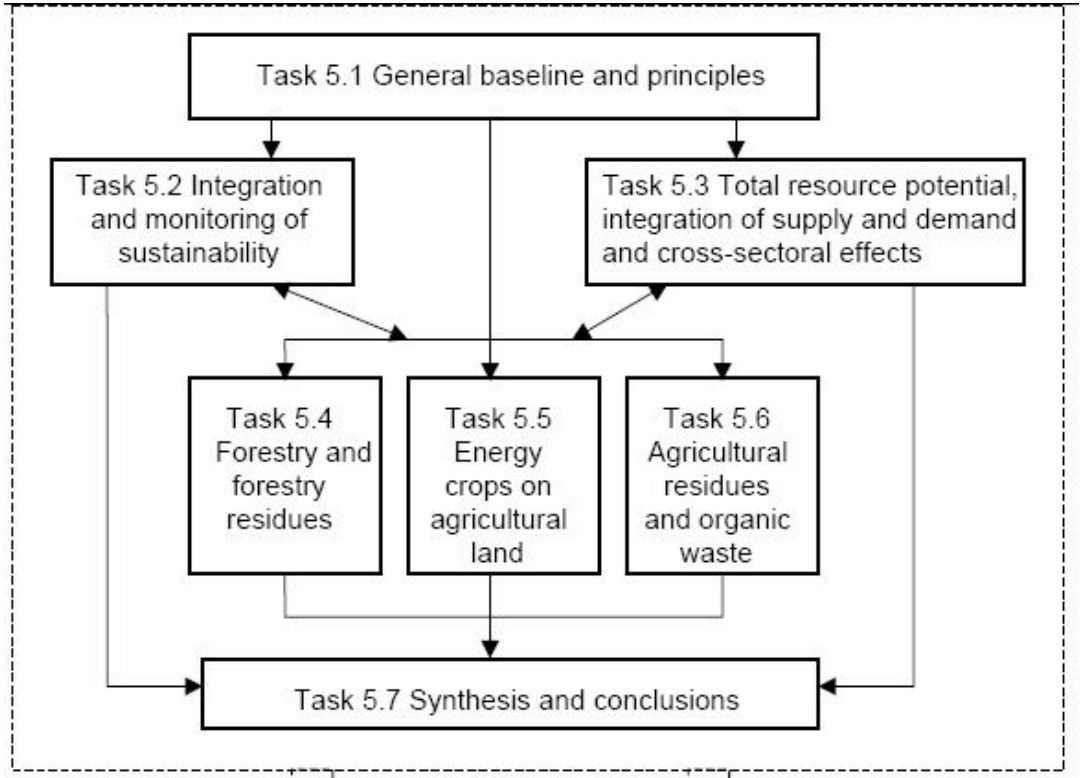
WP5: Harmonization of BM resource assessments



Best Practises and Methods Handbook

Data Sources Handbook

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WP6: Illustration cases

Task 6.1 – EU-27 & Pan-European case

Task 6.2 – Ukraine

Task management: NAUU

Task participants: SEC Biomass (agricultural residues and waste), UU (energy crops), IIASA (modeling)

Task 6.3 – Croatia

Task 6.4 – Finland

Task 6.5 – Validation

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Example of BM potential assessment

Authors: J. van Dam et al, Utrecht University, 2007

Region: Central and Eastern Europe (Estonia, Lithuania, Latvia, Poland, Romania, Bulgaria, Hungary, Czech Republic, Slovakia)

Period: till 2030 Scenarios: four

Types of biomass included: energy crops, agricultural and forest residues, wood from surplus production forest

Classes of land considered: very suitable (VS), suitable (S), moderately suitable (MS), marginally suitable (mMs), not suitable

Types of production system (PS):
current agricultural PS,

ecological PS,

high input PS,

high input and advanced technology PS

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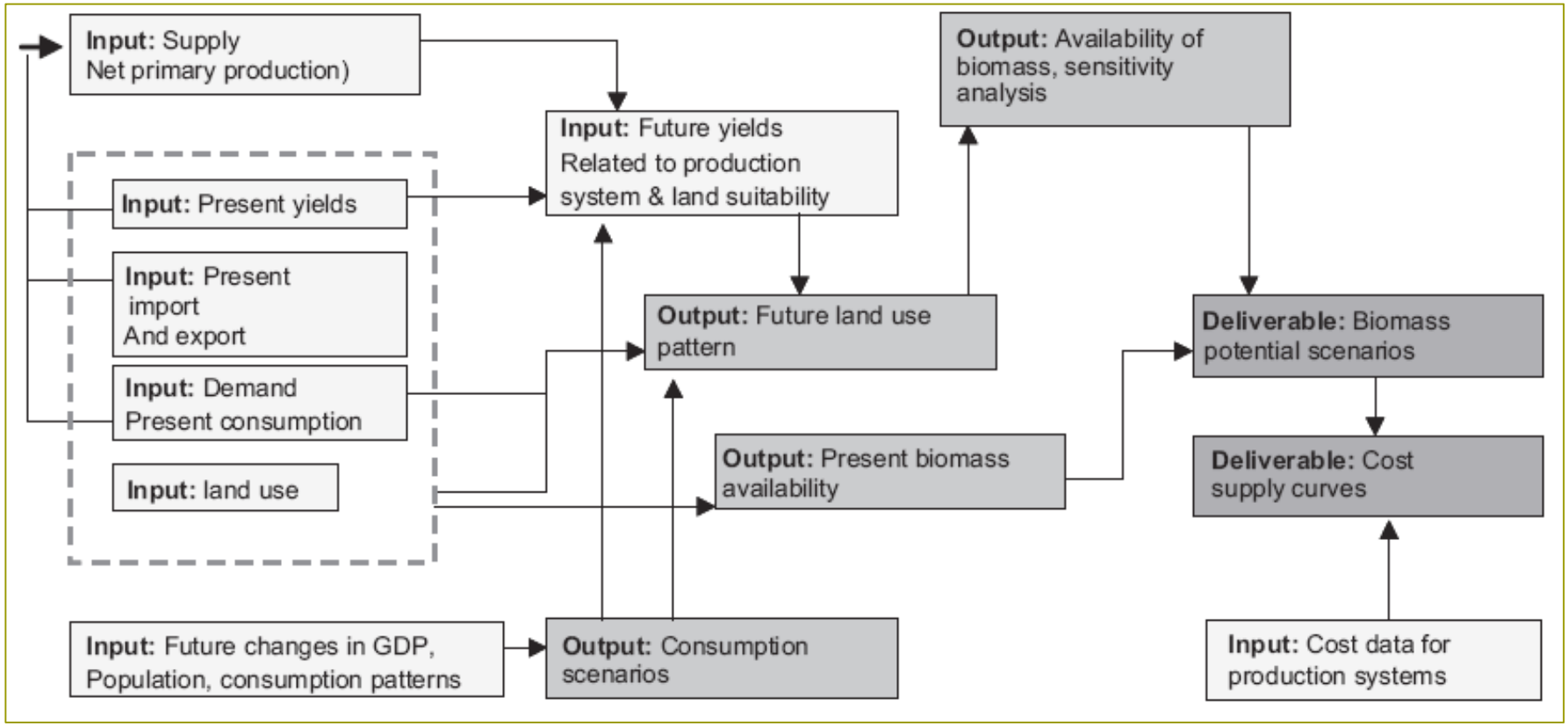
Main components of the methodology for BM potential assessment



J. van Dam et al, Utrecht University, 2007

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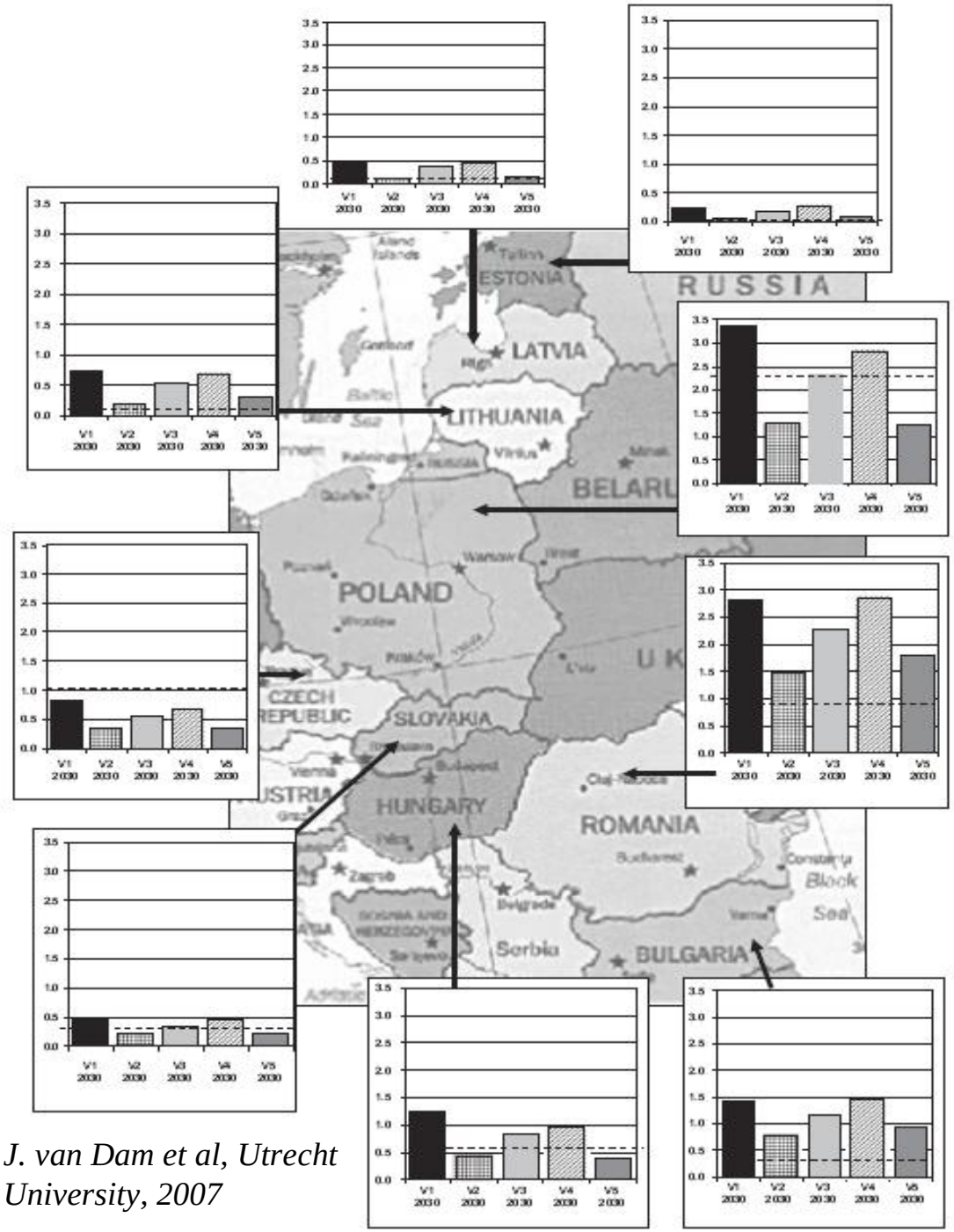
Results of BM potential assessment (EJ)

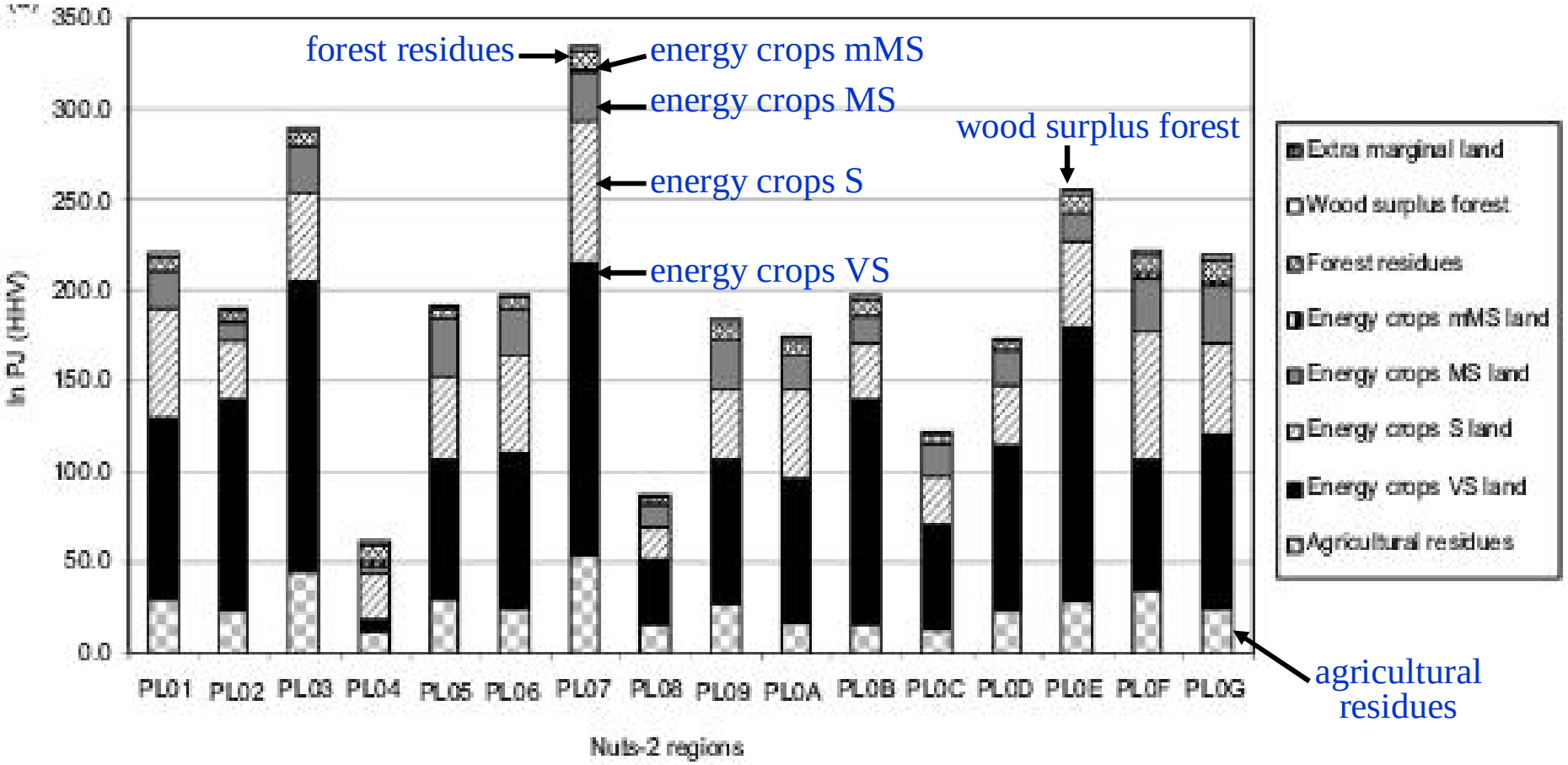


J. van Dam et al, Utrecht University, 2007

Total potential: residues, surplus forest and energy crop production (willow)

------ current final energy consumption per country

Example for Poland: Total BM potential (PJ)



J. van Dam et al, Utrecht University, 2007

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Thank you for your attention!

For further information please contact:

Dr. Tetyana Zhelyezna

Tel/fax: +380 44 223-55-86

E-mail: zhelyezna@biomass.kiev.ua

Website: www.biomass.kiev.ua

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